

FIG. 1

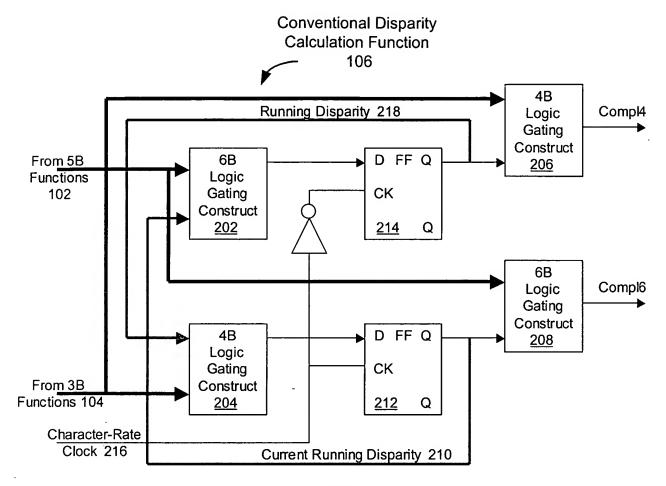


FIG. 2

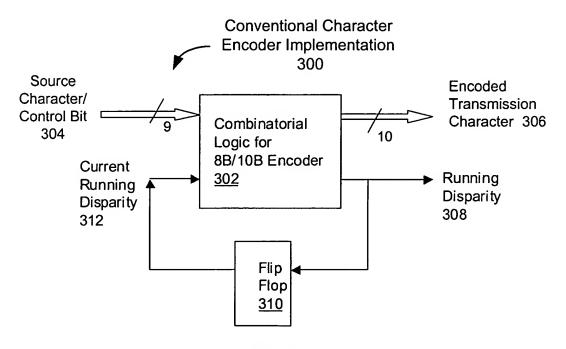


FIG. 3a

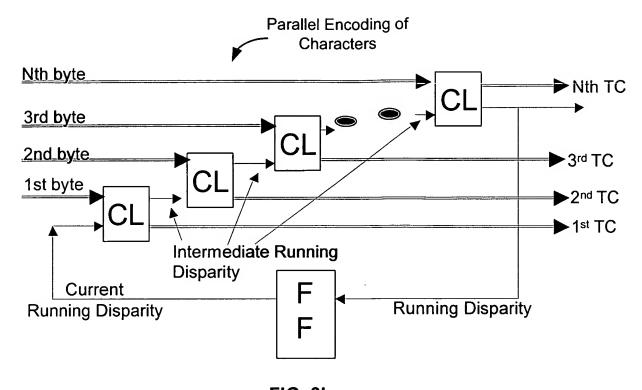


FIG. 3b

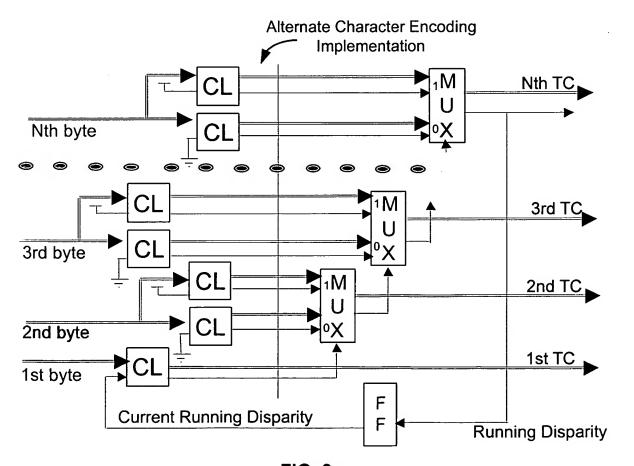
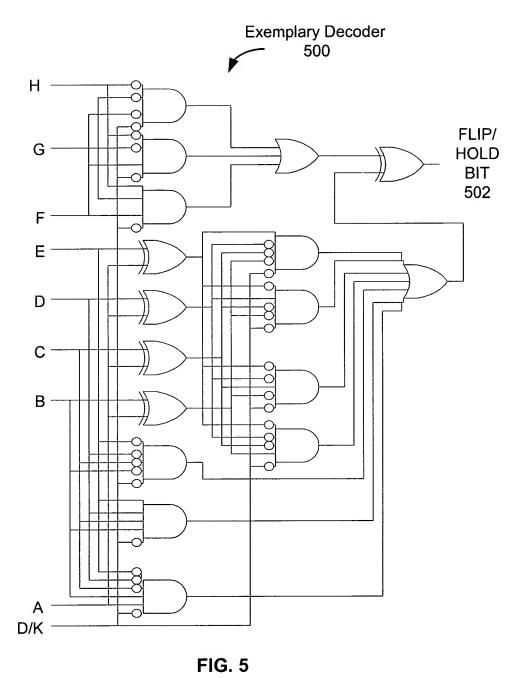


FIG. 3c

Table of 8B/10B Characters 400

5B/3B	0	1	2	3	4	5	6	7 X X
00	Х				X			Х
01	X X X				X X X			X
02	X				Χ			Х
03		X	Χ	Χ		X	X	
04	Χ				Χ			Χ
05		X X X	X X	X X X		X X X	X X X	
06		X	Х	Х		X	Χ	
07		Х	X	Χ		Χ	X	
08	X				Χ			X
09		Х	Χ	X		X X X X X	Х	
0A		Х	X	Х		Χ	Х	
0B		Χ	Х	X		X	Х	
0C		X	Х	Х		X	Χ	
0D		X X X X X	X X X X	X X X X X		Χ	X X X X X	
0E		X	X	X		X	X	
0F	X				X X			X
10	X				X			Х
11		X	Х	X		X	X	
12		X	X	X		X	X	
13		X X X X X	X X X X X	X X X X X		X X X X X	X X X X X	
14		X	X	X		X	Х	
15		X	X	X		X	X	
16		X	X	Х		Χ	Х	
17	X				Х			X
18	X				X			X
19		X	X	X X		X	X	
1A		X	X	X		X	X	
1B	X				X			X
1C		Χ	Х	Х		X	Х	
1D	X				X			X
01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F	X X				X X			X X
1F	X				X			X

FIG. 4



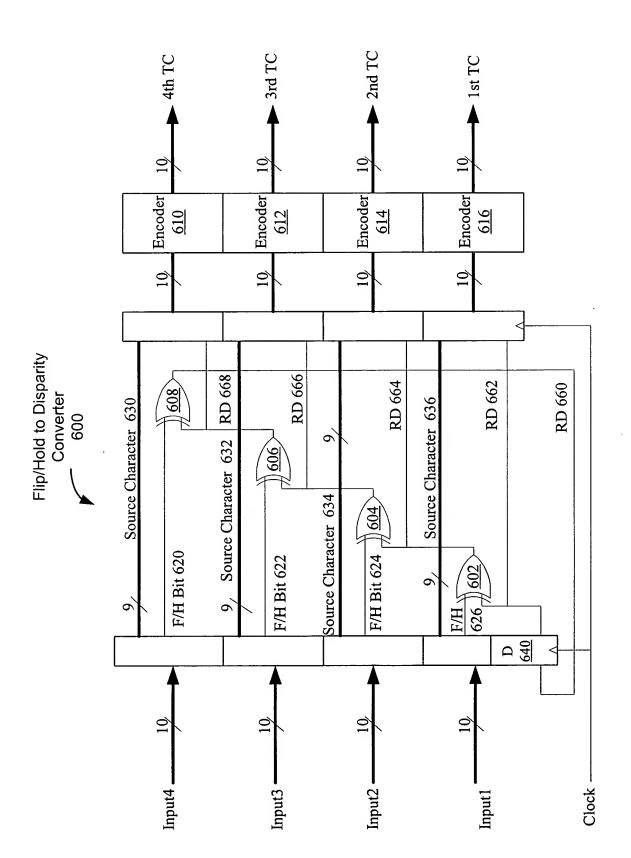


FIG. 6

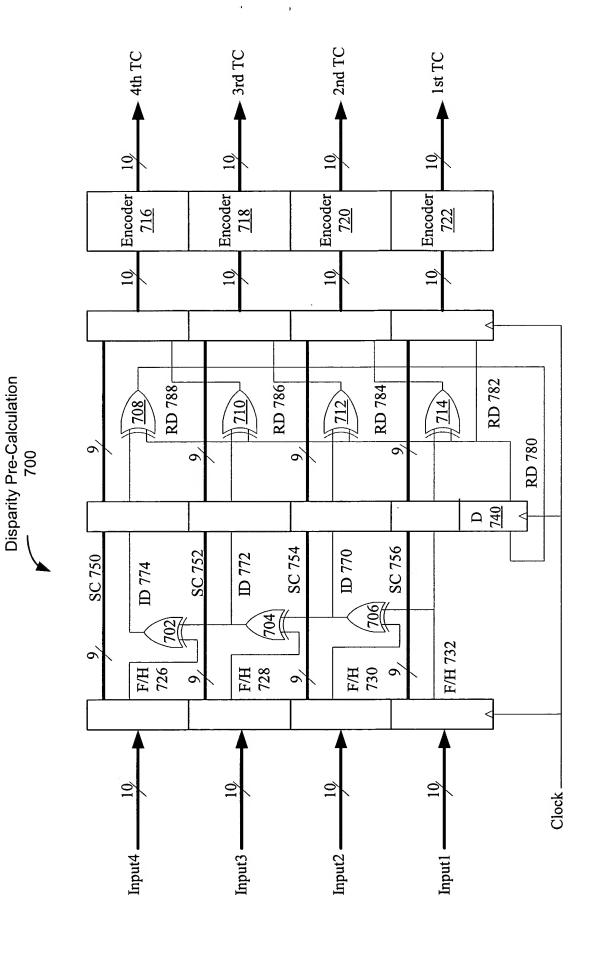


FIG. 7

Evaluate one or more source characters to determine whether each character will invert or maintain a current running disparity

<u>800</u>

Determine a running disparity for each character before encoding the character based on the current running disparity and whether the character will invert or maintain the current running disparity

<u>802</u>

FIG. 8